

ELECTROMECHANICAL COMPONENT AND METHOD FOR
PRODUCING THE SAME

Abstract

An electromechanical component comprises a polymeric body including a mechanically active part and a frame, and a metal layer which covers the mechanically active part at least partially so as to mechanically stabilize the same, an area of the polymeric body, which has the metal layer provided thereon, consisting of a first polymer material which is adapted to be metallized in a wet-chemical process, and another area, which does not have a metal layer provided thereon, consisting of a second polymer material which is not adapted to be metallized in a wet-chemical process. The electromechanical component can be an acceleration sensor, a rotary speed sensor, a microvalve, a micro-pump, a pressure sensor, or a force sensor. Production of said electromechanical component incurs drastically reduced costs compared to electromechanical components produced using silicon-based technology because simple injection-moulding and/or embossing processes, instead of the complicated silicon-based technology, can be used for producing said electromechanical component.